## NEUTRON DETECTOR EMPLOYING DOPED PYROLYTIC BORON NITRIDE AND METHOD OF MAKING THEREOF

## ABSTRACT OF THE INVENTION

The invention relates to a system for measuring a thermal neutron emission from a neutron source. The system employs a detector utilizing pBN neutron detector, wherein the pBN is doped with at least one dopant for an electrical resistivity of 10<sup>4</sup> ohm-cm or less.